



Model: BMG36 Series

Total Power	36 Watts
Input Voltages	90-264 VAC
Outputs	Single

SPECIAL FEATURES

- Universal Input
- Green Power Design
- RoHS compliant
- EMI meets EN55011 FCC Class B
- Medical Approved EN60601-1/UL2601-1
- CE compliant

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: 0 to +40°C with no derating

Power Density: 2.87 Watts/Cubic inch

Storage Temperature: -20° to +85°C

Temperature coefficient: $\pm 0.04\%$ / °C

Cooling: Free air convection

SAFETY APPROVALS

EN60601-1/UL2601-1



ELECTRICAL SPECIFICATIONS

Input Specifications

Input Range.....	90-264 VAC
Frequency.....	47-63 Hz
EMI filter.....	EN55011 FCC Class B
Input Connector.....	IEC320-3P AC Receptacle
Inrush Current.....	35A @ 230 VAC
Input Current.....	0.85A @ 90Vac 0.30A @ 264Vac
Dielectric Withstand.....	Meet IEC950
Hold-up Time.....	15mS @ 115Vac 60mS @ 230Vac
Efficiency.....	80%
Green Power.....	0.37W @ 132Vac 0.50W @ 264Vac
Switching Frequency.....	60 KHz.
Leakage.....	<0.126mA

Output Specifications

DC Output..... Maximum continuous output power 36 Watts.

Line Regulation..... 0.2%

Load Regulation..... $\pm 3.0\%$

Ripple and Noise..... 1.0% Pk to Pk

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BMG36 Series Spec – 072808

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ELECTRICAL SPECIFICATIONS (CONT')

Output Specifications

Transient Response.....Output voltage returns in less than 1mS following a 25% load change.

OVP.....Built-in, Zener diode clamping

Overload Protection (OLP).....125% to 150%

Short-circuit Protection

NOTES

- Specifications subject to change without notice.
- All dimensions in inches/mm
- Warranty: 2 years
- Weight: 11.6Oz. (330g)

MODEL No. / OUTPUT VOLTAGE / CURRENT RATINGS CHART (Sample Chart, not all Models shown)

Model No.	O/P Voltage (Vdc)	Current
BMG36-120	12.0V	3.0A
BMG36-150	15.0V	2.4A
BMG36-200	20.0V	1.8A
BMG36-240	24.0V	1.5A
BMG36-360	36.0V	1.0A
BMG36-480	48.0V	0.8A

*All voltages available between 12V and 48V in increments of .1V
Various input and output connectors available*

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